Splice bars shall be secured with $\frac{6}{3}$ iong x *10 round head, stainless steel wood screws spaced at 6 maximum along double row spacing with the exception at extreme ends of splice bars, along outside edge of sign, where plywood bolts shall be used as shown. A maximum of one horizontal joint per vertical section will be permitted using a 12.5 can between according

using a 1/8°

gap between panels.

Splices shall be kept to a minimum. Panels 4'x8' or larger shall be used to the maximum extent possible in the fabrication of any sign. Signs or sign sections which cannot be fabricated from at least a 4'x8' panel shall be of one plece construction.

% \leftrightarrow ų Post Windbeam clamps windbeam Aluminum %" square head boit with one lock and one flat washer **-**4. Y = 6° and less-use 2 plywood bolts on spilce bar Y = over 6°-use 2 plywood bolts at bottom of spilce bar and 2 No. 10 %° woodscrews at top of bar 24° Exit Number Panei Exit Number Panel Support <u>₩</u> $3 \times 1/8 \times 1$ Aluminum Splice Bar (Typ. -see note 3 below) Plywood Panel 2 Where panels are spliced horizontally each corner shall be boited Post Clamp (Typ.) see sheet SMD(2-1) spacing a max. i' **1** Aluminum 2 3*x21/% *x2. (top windbeam 33#/ft ▼ 🏖 Ċ. \triangleright \triangleright Y*4" mln., 12" max. + 5'-0" Cope for shapes weighing more than 12 pounds per ft. No cope for others 1'-0" (when sign depth is tess than 6^{\prime} -0° cope shall be reduced accordingly)

1

Sign Face

Clamp (Typ.) Pos+

*

1

(top windbeam only)

10 x 5/8

4 Aluminum Z 3*x21/6 *x2.33*/ft

•

Parent sign

(3)

varlable

See Detail "B"

2' - 5"

Extruded
Aluminum
Wind Beam

t2" min., 0.2 of width maximum

number

pane i

TYPICAL PLYWOOD SIGN

QΟ

EXIT PANEL

ASSEMBLY DETAILS

Exit Number panel

SIGN MOUNTING

DETAIL

Exit Number Panel Support

1/2. \$ mochine boits

24" Exit Number Panel

↑

SIDE VIEW

REAR VIEW

 \triangleright Approximately equal spacing, fabricator may vary spacing for least interference with message and to utilize wind beam for horizontal spilce. Wind beam spacing will not exceed the maximum shown in table on sheet SMD(2-1). Staggered arrangement of horizontal spilces as shown is preferred. However, a single horizontal joint across the sign face is permissible. g v

A tolerance of plus or minus 1/4 inch will be permitted in the plan dimensions for fobrication of each single increment sign panel when necessary for squoring. A tolerance of plus or minus 1/4 inch will be permitted for each increment of a multi-increment sign panel where necessary to secure square, tight-fitting joints.

For signs 4'-0' or less in height the plywood pane may exceed 4'-0" in width.

 \triangleright

Plywood boits shall be \% \circ x \langle '\ell' elevator type steel with flot or slightly hemispherical head and \(\chi \) minimum thread length. The head shall have a minimum diameter of \(\chi \) and a minimum of two fins on the underside. Each boit shall be provided with one \(\chi \) steel hex nut, one \(\chi \) steel flot washer, and one \(\chi \) steel lock washer. Boits, nuts and washers shall be galvanized in accordance with ASIM Designation: 8695. Class 50, or Al53 Class C or D.

Extruded aluminum wind beams shall be continuous with no spiless. (see sheet SMD(2-1).

Aluminum Z will be provided unless stated otherwise in the plans, if noted elsewhere in the plans, i.175 lb/ft extruded aluminum windbeam may be used.

> Sign Post Fuse Plates See Detail "A" sheet SMD(2-2) Battom of sign ±i" Centerline of Post cut EXIT L3* x 2* x 1/4*
> Steel Upright or
> L3* x 2* x 3/6*
> Aluminum Upright or
> 3* Windbeam

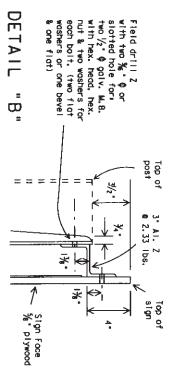
> > ciamps Post

Sign Post

Plywood boits (typ)

Extruded aluminum windbeam 3

PANEL NUMBER SUPPOR'



NOTES:

the parent sign for right exits and to the right hand side of the parent sign for right exits and to the left for left hand exits. The number panel shall be mounted with two uprights so its right edge is even with the right edge of the parent sign or vice-versa for left hand exits.

2. Exit number panel support shall be symmetrical about number panel centerline.

3. Exit number panel support shall be of ASIM A36 structural steel galvanized after fabrication, or ASIM B221 aluminum alloy 606:-T6.

All boits, nuts and washers shall be galvanized per ASTM Designation: 8695 Class 50, or Al53 Class C or D.

When spilice bars are required to fabricate the number panel, the spilice bar detail as shown for the parent sign is to be used. Spilice bars on number panel need not align with those on parent sign, panels and exit number panels shall comply Posts, parent sign, panels and exit number panels shall comply

Posts, parent sign panels and exit number panels shall comply with notes on sheets SMD(2-1) and SMD(2-2).

7. Signs

Signs (such as exit number panels) attached above a parent sign shall be made of the same type material as the parent sign. Exit number panel support and other connection hardware required to fasten exit number panel to parent sign shall be subsidiary to tasten extrincing to the sign blank,

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

SIGN MOUNTING DETAILS-LARGE ROADSIDE SIGNS,

PLYWOOD SMD (2-3) -95

HIG DIAM DATE: AUGUST 1995 DIV-STATE FEBERAL BUSTNICT REGION FEDERAL AND PROJECT MEG HO.